

A schematic diagram of an antibody molecule, showing its Y-shaped structure composed of two heavy chains and two light chains. The chains are connected by disulfide bonds (SS). Each chain is divided into a variable region (hatched) and a constant region (unhatched). The heavy chain constant region is further divided into three domains. Labels indicate the HEAVY CHAIN, LIGHT CHAIN, and their respective VARIABLE and CONSTANT regions. Disulfide bonds (SS) are shown connecting the chains. On the right, dashed lines and arrows indicate the cleavage of the molecule into the $F(ab)_2$ fragment, Fab' fragment, and Fc fragment.

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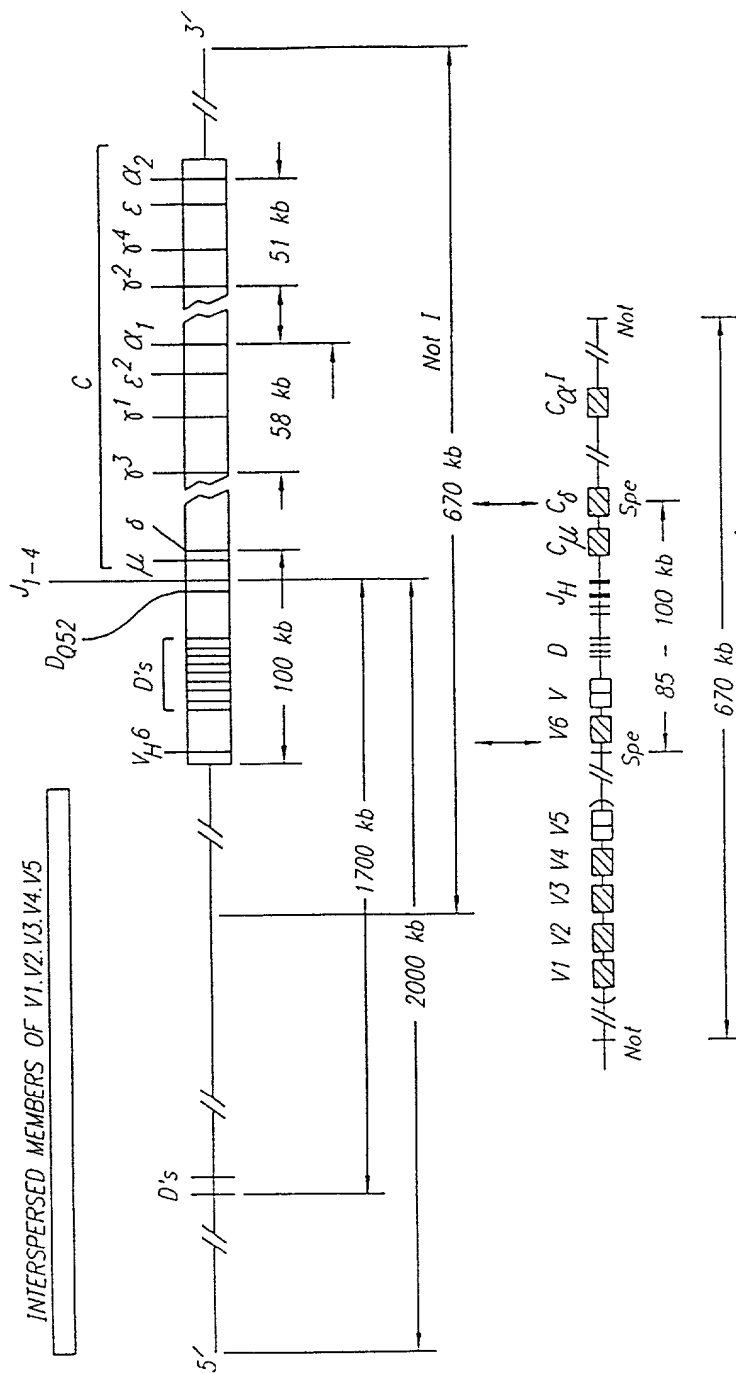


FIG. 2A

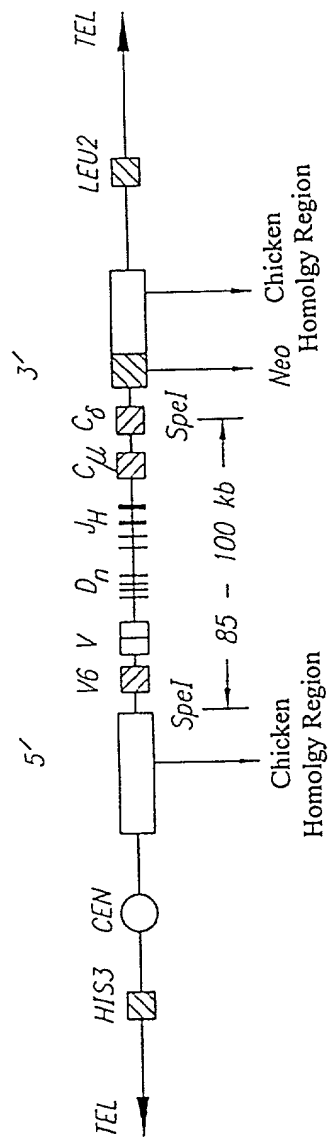
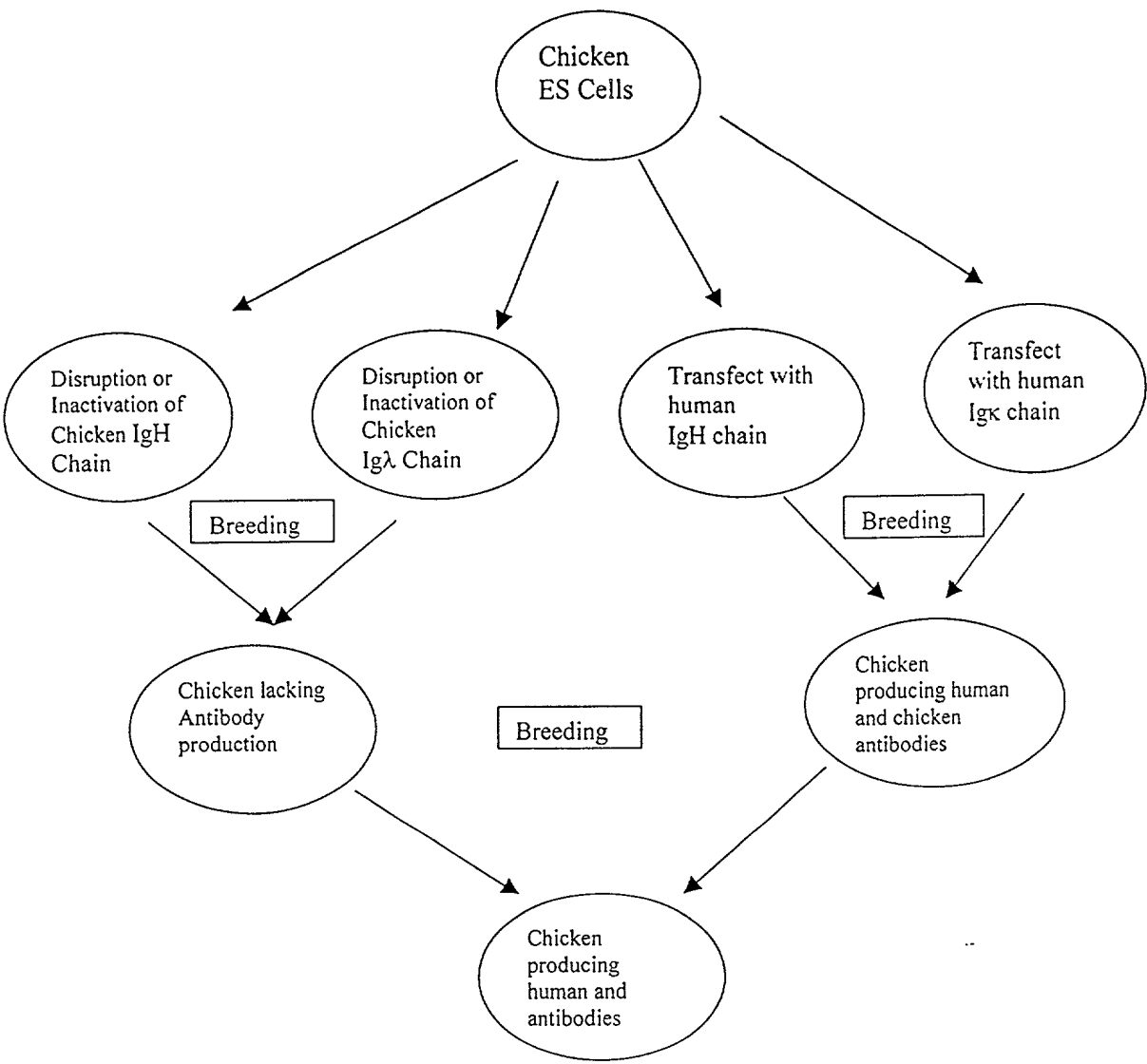


FIG. 2B

FIG. 3

Schematic for producing a chicken strain, which will express human antibodies



Several backcross to produce a chicken strain
Expressing functional human antibodies.

FIG. 4